

CREBL2 Antibody (N-term K27) Blocking Peptide
Synthetic peptide
Catalog # BP7441a**Specification**

CREBL2 Antibody (N-term K27) Blocking Peptide - Product InformationPrimary Accession [O60519](#)**CREBL2 Antibody (N-term K27) Blocking Peptide - Additional Information****Gene ID** 1389**Other Names**

cAMP-responsive element-binding protein-like 2, CREBL2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7441a](/products/AP7441a) was selected from the N-term region of human CREBL2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CREBL2 Antibody (N-term K27) Blocking Peptide - Protein Information**Name** CREBL2**Function**

Probable regulator of CREB1 transcriptional activity which is involved in adipose cells differentiation. May also play a regulatory role in the cell cycle. Identification in a chromosomal region frequently deleted in various cancers suggests that it might act as a tumor suppressor.

Cellular Location

Nucleus.

CREBL2 Antibody (N-term K27) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CREBL2 Antibody (N-term K27) Blocking Peptide - Images

CREBL2 Antibody (N-term K27) Blocking Peptide - Background

cAMP response element (CRE)-binding protein-like-2 (CREBL2) was identified in a search to find genes in a commonly deleted region on chromosome 12p13 flanked by ETV6 and CDKN1B genes, frequently associated with hematopoietic malignancies, as well as breast, non-small-cell lung and ovarian cancers. CREBL2 shares a 41% identity with CRE-binding protein (CREB) over a 48-base long region which encodes the bZip domain of CREB. The bZip domain consists of about 30 amino acids rich in basic residues involved in DNA binding, followed by a leucine zipper motif involved in protein dimerization. This suggests that CREBL2 encodes a protein with DNA binding capabilities. The occurrence of CREBL2 deletion in malignancy suggests that CREBL2 may act as a tumor suppressor gene.

CREBL2 Antibody (N-term K27) Blocking Peptide - References

Hoornaert I., Marynen P., Baens M. Genomics 51:154-157(1998) Thomson D.M., Herway S.T., Fillmore N.J. Appl. Physiol. 104:429-438(2008)